PFFY-P-NEMU-E, -NRMU-E

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FLOOR-STANDING (EXPOSED/CONCEALED)

■ **Less than 9" deep, these PFFY floor-standing units are easy to install in peripheral spaces, yet offer highly efficient air conditioning performance.**

■ **Dehumidification using the Dry mode**

This function keeps humidity at the optimum level in response to changes in room temperature, preventing over-cooling and dehumidifying the air to keep it fresh and invigorating.

* Nominal conditions *1, *2 are referred to in the Specification sheet.

Low operating sound and compact size make PFFY ideal for hotel rooms.

■ **The PFFY offers tremendous flexibility in two distinct versions.**

PFFY-P-NEMU-E exposed-type model is perfect for most applications and requires no finish work.
PFFY-P-NRMU-E was design for large jobs requiring a built-in, concealed, floor-mounted unit.

Floor standing		**P06**	**P08**	**P12**	**P15**	**P18**	**P24**	**P27**	**P30**	**P36**	**P48**	**P54**	**P72**	**P96**
		0.8HP	**1.0HP**	**1.3HP**	**1.6HP**	**2.0HP**	**2.5HP**	**2.8HP**	**3.2HP**	**4.0HP**	**5.0HP**	**5.6HP**	**8.0HP**	**10.0HP**
Nominal cooling cap.*1	Btu/h	6,000	8,000	12,000	15,000	18,000	24,000	27,000	30,000	36,000	48,000	54,000	72,000	96,000
Nominal heating cap.*2	Btu/h	6,700	9,000	13,500	17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000	80,000	108,000
PFFY-P-NEMU-E		●	●	●	●	●	●							
PFFY-P-NRMU-E		●	●	●	●	●	●							

* Nominal conditions *1, *2 are referable at the Specification sheet.

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1. SPECIFICATIONS

Model			PFFY-P06NEMU-E	PFFY-P08NEMU-E	PFFY-P12NEMU-E	PFFY-P15NEMU-E
Power source			1-phase 208/230 V 60Hz			
Cooling capacity *1		Btu / h	6,000	8,000	12,000	15,000
(Nominal) *1		kW	1.8	2.3	3.5	4.4
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35
Heating capacity *2		Btu / h	6,700	9,000	13,500	17,000
(Nominal) *2		kW	2.0	2.6	4.0	5.0
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35
External finish			Acrylic painted,MUNSELL(5Y 8/1)			
External dimension H x W x D		in.	24-13/16 x 41-11/32 x 8-11/16	24-13/16 x 41-11/32 x 8-11/16	24-13/16 x 46-3/32 x 8-11/16	24-13/16 x 46-3/32 x 8-11/16
		mm	630 x 1,050 x 220	630 x 1,050 x 220	630 x 1,170 x 220	630 x 1,170 x 220
Net weight		lbs (kg)	51 (23)	51 (23)	56 (25)	58 (26)
Heat exchanger			Cross fin(Aluminium fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2
	External	in.WG				
	static press	Pa				
	Motor type		1-phase induction motor			
	Driving mechanism		Direct-driven			
	Airflow rate	CFM	194-229	194-229	247-317	300-388
	(Low-High)	m3 / min	5.5-6.5	5.5-6.5	7.0-9.0	8.5-11.0
		L / s	92-108	92-108	117-150	142-183
Sound pressure level (Low-High)		dB <A>	36-41 (208V)	36-41 (208V)	37-41 (208V)	38-43 (208V)
(measured in anechoic room)		dB <A>	36-41 (230V)	36-41 (230V)	37-41 (230V)	38-43 (230V)
Insulation material			Polyethylene foam,Urethane foam			
Air filter			Standard filter			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare
Field drain pipe size		in. (mm)	I.D. 1 (26) < Accessory hose O.D. 1-3/32 (27) (top end = 13/16 (20)) >			
Drawing	External		W660125			
	Wiring		W660133			
Standard attachment	Document		Installation Manual,Installation Book			
	Accessory					
Optional parts	External heater adapter		CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.			

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal/h = kW x 860 BTU/h = kW x 3,412
Outdoor:	95° F D.B. (35degC D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C W.B.)	cfm = m3/min x 35.31 lbs = kg / 0.4536
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	*Above specification data is subject to rounding variation.
Level difference:	0 ft. (0 m)	0 ft. (0 m)	
*3 The rated external static pressure is set to 50 Pa (0.20 in. WG) for 208V and 150 Pa (0.60) for 230V at factory shipment.			
*4 The factory setting of external static pressure is shown without < >. Refer to “Fan characteristics curves”, according to the external static pressure, in DATA BOOK for the usable range of air flow rate.			
*Due to continuing improvement, above specification may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PFFY-P18NEMU-E	PFFY-P24NEMU-E
Power source			1-phase 208/230 V 60Hz	
Cooling capacity *1		Btu / h	18,000	24,000
(Nominal) *1		kW	5.3	7.0
	Power input	kW	0.078/0.093	0.096/0.114
	Current input	A	0.38/0.42	0.47/0.51
Heating capacity *2		Btu / h	20,000	27,000
(Nominal) *2		kW	5.9	7.9
	Power input	kW	0.078/0.093	0.096/1.114
	Current input	A	0.38/0.42	0.47/0.51
External finish			Acrylic painted,MUNSELL(5Y 8/1)	
External dimension H x W x D		in.	24-13/16 x 55-17/32 x 8-11/16	24-13/16 x 55-17/32 x 8-11/16
		mm	630 x 1,410 x 220	630 x 1,410 x 220
Net weight		lbs (kg)	67 (30)	71 (32)
Heat exchanger			Cross fin(Aluminium fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2
	External	in.WG	-	-
	static press	Pa	-	-
	Motor type		1-phase induction motor	
	Driving mechanism		Direct-driven	
	Airflow rate	CFM	353-459	353-494
	(Low-High)	m3 / min	10.0-13.0	10.0-14.0
		L / s	167-217	167-233
Sound pressure level (Low-High)		dB <A>	38-43 (208V)	40-46 (208V)
(measured in anechoic room)		dB <A>	38-43 (230V)	40-46 (230V)
Insulation material			Polyethylene foam,Urethane foam	
Air filter			Standard filter	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	3/8 (9.52) Flare
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	5/8 (15.88) Flare
Field drain pipe size		in. (mm)	I.D. 1 (26) < Accessory hose O.D. 1-3/32 (27) (top end = 13/16 (20)) >	
Drawing	External		W660125	
	Wiring		W660133	
Standard attachment	Document		Installation Manual,Installation Book	
	Accessory			
Optional parts	External heater adapter		CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.	

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal/h = kW x 860 BTU/h = kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C W.B.)	cfm = m3/min x 35.31 lbs = kg / 0.4536
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	*Above specification data is subject to rounding variation.
Level difference:	0 ft. (0 m)	0 ft. (0 m)	
*3 The rated external static pressure is set to 50 Pa (0.20 in. WG) for 208V and 150 Pa (0.60) for 230V at factory shipment.			
*4 The factory setting of external static pressure is shown without < >. Refer to “Fan characteristics curves”, according to the external static pressure, in DATA BOOK for the usable range of air flow rate.			
*Due to continuing improvement, above specification may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PFFY-P06NRMU-E	PFFY-P08NRMU-E	PFFY-P12NRMU-E	PFFY-P15NRMU-E
Power source			1-phase 208/230 V 60Hz			
Cooling capacity *1		Btu / h	6,000	8,000	12,000	15,000
(Nominal) *1		kW	1.8	2.3	3.5	4.4
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35
Heating capacity *2		Btu / h	6,700	9,000	13,500	17,000
(Nominal) *2		kW	2.0	2.6	4.0	5.0
	Power input	kW	0.051/0.061	0.051/0.061	0.055/0.067	0.065/0.078
	Current input	A	0.25/0.27	0.25/0.27	0.27/0.30	0.32/0.35
External finish			Galvanized			
External dimension H x W x D		in.	25-3/16 x 34-29/32 x 8-11/16	25-3/16 x 34-29/32 x 8-11/16	25-3/16 x 39-5/8 x 8-11/16	25-3/16 x 39-5/8 x 8-11/16
		mm	639 x 886 x 220	639 x 886 x 220	639 x 1,006 x 220	639 x 1,006 x 220
Net weight		lbs (kg)	41 (19)	41 (19)	45 (20)	47 (21)
Heat exchanger			Cross fin(Aluminium fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2
	External static pressure	in.WG	-	-	-	-
		Pa	-	-	-	-
	Motor type		1-phase induction motor			
	Driving mechanism		Direct-driven			
	Airflow rate	CFM	194-229	194-229	247-317	300-388
	(Low-High)	m3 / min	5.5-6.5	5.5-6.5	7.0-9.0	8.5-11.0
		L / s	92-108	92-108	117-150	142-183
Sound pressure level (Low-High)		dB <A>	36-41 (208V)	36-41 (208V)	37-41 (208V)	38-43 (208V)
(measured in anechoic room)		dB <A>	36-41 (230V)	36-41 (230V)	37-41 (230V)	38-43 (230V)
Insulation material			Polyethylene foam,Urethane foam			
Air filter			Standard filter			
Protection device			Fuse			
Refrigerant control device			LEV			
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI	R410A CITY MULTI
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare	1/4 (6.35) Flare
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare	1/2 (12.7) Flare
Field drain pipe size		in. (mm)	I.D. 1 (26) < Accessory hose O.D. 1-3/32 (27) (top end = 13/16 (20)) >			
Drawing	External		W660126			
	Wiring		W660133			
Standard attachment	Document		Installation Manual,Installation Book			
	Accessory					
Optional parts	External heater adapter		CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.			

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal/h = kW x 860 BTU/h = kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C W.B.)	cfm = m3/min x 35.31 lbs = kg / 0.4536
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	*Above specification data is subject to rounding variation.
Level difference:	0 ft. (0 m)	0 ft. (0 m)	
*3 The rated external static pressure is set to 50 Pa (0.20 in. WG) for 208V and 150 Pa (0.60) for 230V at factory shipment.			
*4 The factory setting of external static pressure is shown without < >. Refer to “Fan characteristics curves”, according to the external static pressure, in DATA BOOK for the usable range of air flow rate.			
*Due to continuing improvement, above specification may be subject to change without notice.			

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1. SPECIFICATIONS

Model			PFFY-P18NRMU-E	PFFY-P24NRMU-E
Power source			1-phase 208/230 V 60Hz	
Cooling capacity (Nominal)	*1	Btu / h	18,000	24,000
	*1	kW	5.3	7.0
	Power input	kW	0.078/0.093	0.096/0.114
	Current input	A	0.38/0.42	0.47/0.51
Heating capacity (Nominal)	*2	Btu / h	20,000	27,000
	*2	kW	5.9	7.9
	Power input	kW	0.078/0.093	0.096/0.114
	Current input	A	0.38/0.42	0.47/0.51
External finish			Galvanized	
External dimension H x W x D		in.	25-3/16 x 49-1/16 x 8-11/16	25-3/16 x 49-1/16 x 8-11/16
		mm	639 x 1,246 x 220	639 x 1,246 x 220
Net weight		lbs (kg)	56 (25)	60 (27)
Heat exchanger			Cross fin(Aluminium fin and copper tube)	
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2
	External static press static pressure	in.WG	-	-
		Pa	-	-
	Motor type		1-phase induction motor	
	Driving mechanism		Direct-driven	
	Airflow rate (Low-High)	CFM	353-459	353-494
		m3 / min	10.0-13.0	10.0-14.0
		L / s	167-217	167-233
Sound pressure level (Low-High)		dB <A>	38-43 (208V)	40-46 (208V)
(measured in anechoic room)		dB <A>	38-43 (230V)	40-46 (230V)
Insulation material			Polyethylene foam,Urethane foam	
Air filter			Standard filter	
Protection device			Fuse	
Refrigerant control device			LEV	
Connectable outdoor unit			R410A CITY MULTI	R410A CITY MULTI
Diameter of refrigerant pipe (O.D.)	Liquid (R410A)	in. (mm)	1/4 (6.35) Flare	3/8 (9.52) Flare
	Gas (R410A)	in. (mm)	1/2 (12.7) Flare	5/8 (15.88) Flare
Field drain pipe size		in. (mm)	I.D. 1 (26) < Accessory hose O.D. 1-3/32 (27) (top end = 13/16 (20)) >	
Drawing	External		W660126	
	Wiring		W660133	
Standard attachment	Document		Installation Manual,Installation Book	
	Accessory			
Optional parts	External heater adapter		CN24RELAY-KIT-CM3	CN24RELAY-KIT-CM3
Remarks			* Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. * Due to continuing improvement, above specification may be subject to change without notice.	

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Note:	*1 Nominal cooling conditions	*2 Nominal heating conditions	Unit converter
Indoor:	80° F D.B. / 67° F W.B. (26.7° C D.B. / 19.4° C W.B.)	70° F D.B. (21.1° C D.B.)	kcal/h = kW x 860 BTU/h = kW x 3,412
Outdoor:	95° F D.B. (35° C D.B.)	47° F D.B. / 43° F W.B. (8.3° C D.B. / 6.1° C W.B.)	cfm = m3/min x 35.31 lbs = kg / 0.4536
Pipe length:	25 ft. (7.6 m)	25 ft. (7.6 m)	*Above specification data is subject to rounding variation.
Level difference:	0 ft. (0 m)	0 ft. (0 m)	
*3 The rated external static pressure is set to 50 Pa (0.20 in. WG) for 208V and 150 Pa (0.60) for 230V at factory shipment.			
*4 The factory setting of external static pressure is shown without < >. Refer to “Fan characteristics curves”, according to the external static pressure, in DATA BOOK for the usable range of air flow rate.			
*Due to continuing improvement, above specification may be subject to change without notice.			

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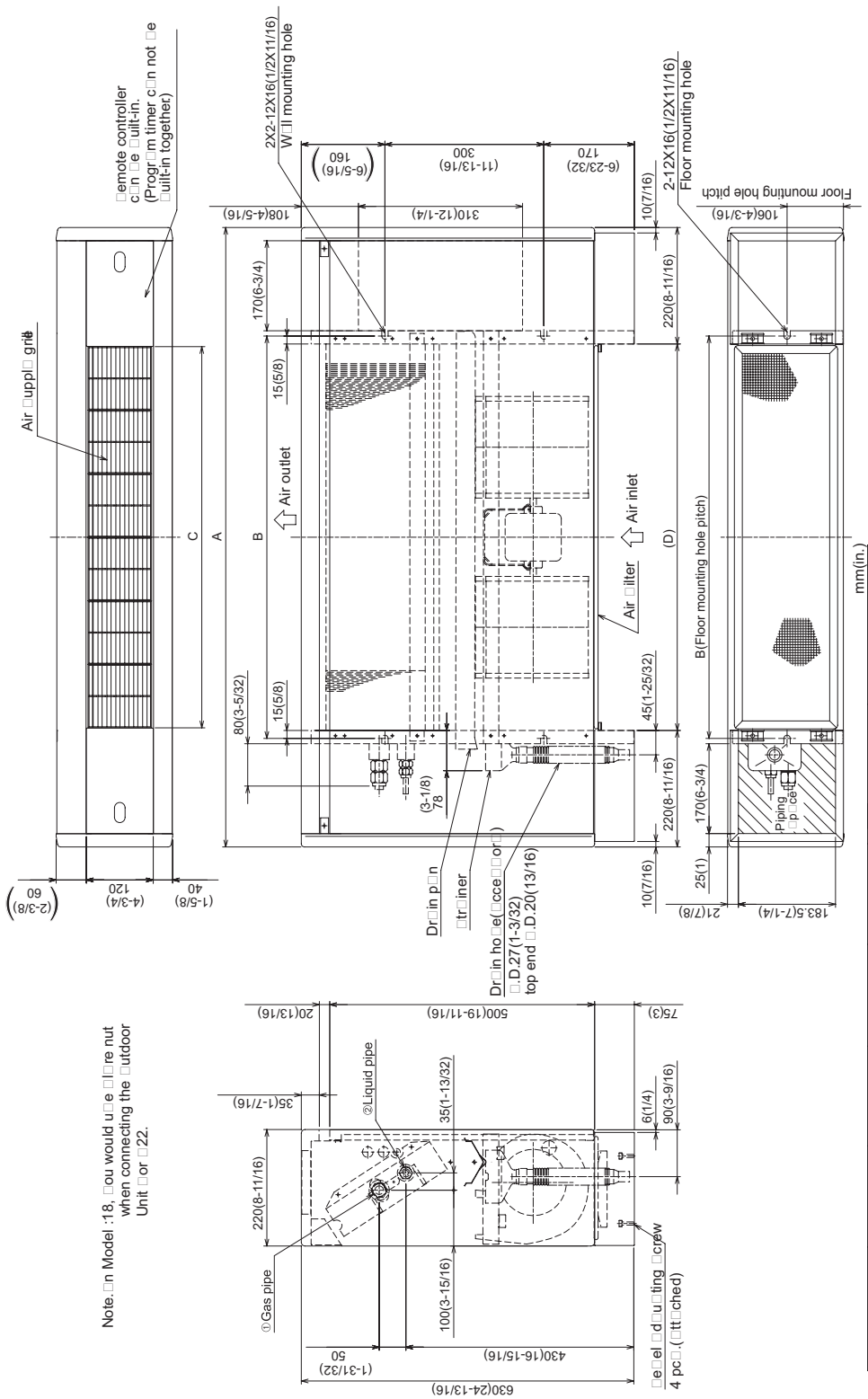
2. EXTERNAL DIMENSIONS

PFFY-P06,08,12,15,18,24NEMU-E

Drw. : IU-W660125
Unit : mm(in)



mm(in.)

Model	A	B	C	D	① Gas pipe <flare>	② Liquid pipe <flare>
PFFY-P06NEMU-E	1050(41-11/32)	640(25-7/32)	600(23-5/8)	610(24-1/16)	ø12.7(1/2)	ø6.35(1/4)
PFFY-P08NEMU-E	1050(41-11/32)	640(25-7/32)	600(23-5/8)	610(24-1/16)	ø12.7(1/2)	ø6.35(1/4)
PFFY-P12NEMU-E	1170(46-1/16)	760(29-15/16)	720(28-3/8)	730(28-3/4)	ø12.7(1/2)	ø6.35(1/4)
PFFY-P15NEMU-E	1170(46-1/16)	760(29-15/16)	720(28-3/8)	730(28-3/4)	ø12.7(1/2)	ø6.35(1/4)
PFFY-P18NEMU-E	1410(55-17/32)	1000(39-3/8)	960(37-13/16)	970(38-1/4)	ø12.7(1/2)	ø6.35(1/4)
PFFY-P24NEMU-E	1410(55-17/32)	1000(39-3/8)	960(37-13/16)	970(38-1/4)	ø15.88(5/8)	ø9.52(3/8)

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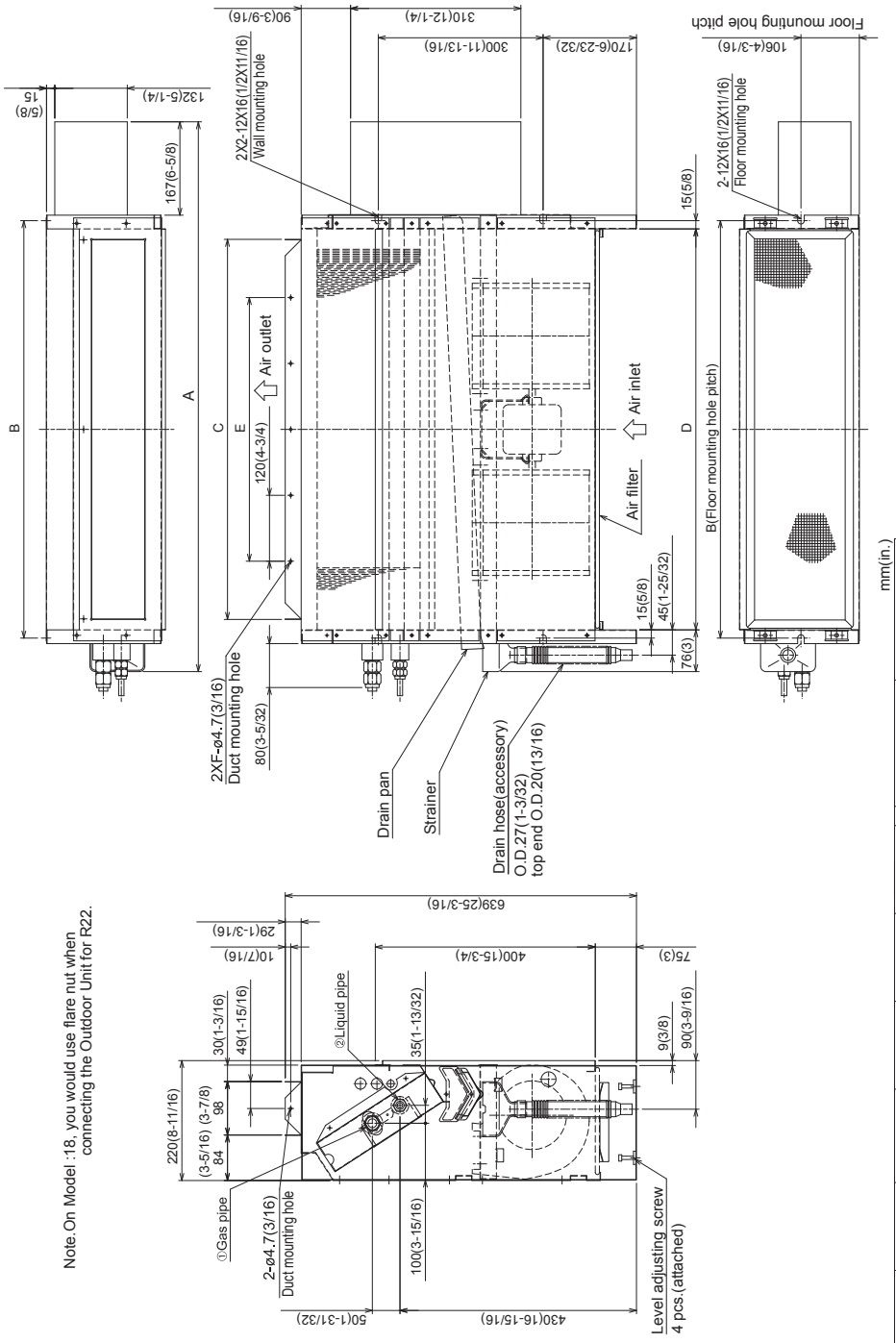
2. EXTERNAL DIMENSIONS

PFFY-P06,08,12,15,18,24NRMU-E

Drw. : IU-W660126
Unit : mm(in)



Note.On Model :18, you would use flare nut when connecting the Outdoor Unit for R22.

mm(in.)

Model	A	B	C	D	E	F	① Gas pipe <flare>	② Liquid pipe <flare>
PFFY-P06NRMU-E	886(34-15/16)	640(25-7/32)	572(22-9/16)	610(24-1/16)	360(14-3/16)	4	ø12.7(1/2)	ø6.35(1/4)
PFFY-P08NRMU-E	886(34-15/16)	640(25-7/32)	572(22-9/16)	610(24-1/16)	360(14-3/16)	4	ø12.7(1/2)	ø6.35(1/4)
PFFY-P12NRMU-E	1006(39-5/8)	760(29-15/16)	692(27-1/4)	730(28-3/4)	480(18-15/16)	5	ø12.7(1/2)	ø6.35(1/4)
PFFY-P15NRMU-E	1006(39-5/8)	760(29-15/16)	692(27-1/4)	730(28-3/4)	480(18-15/16)	5	ø12.7(1/2)	ø6.35(1/4)
PFFY-P18NRMU-E	1246(49-1/16)	1000(39-3/8)	932(36-3/4)	970(38-1/4)	720(28-3/8)	7	ø12.7(1/2)	ø6.35(1/4)
PFFY-P24NRMU-E	1246(49-1/16)	1000(39-3/8)	932(36-3/4)	970(38-1/4)	720(28-3/8)	7	ø15.88(5/8)	ø9.52(3/8)

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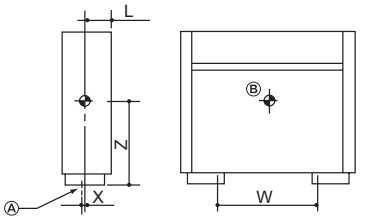
3. CENTER OF GRAVITY

PFFY-P06,08,12,15,18,24NEMU-E

Ref.: PFFY_NEMU_COG_USDB_ALL

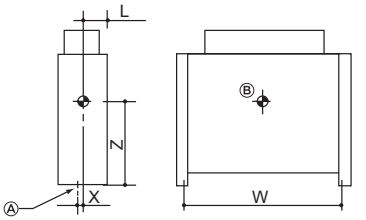


Ⓐ Floor hole for fixing
Ⓑ Center of gravity

(mm)[in]

Model name	W	L	X	Z
PFFY-P06NEMU-E	640 [25-7/32]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P08NEMU-E	640 [25-7/32]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P12NEMU-E	760 [29-15/16]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P15NEMU-E	760 [29-15/16]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P18NEMU-E	1000 [39-3/8]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P24NEMU-E	1000 [39-3/8]	100 [3-15/16]	17 [21/32]	335 [13-3/16]

PFFY-P06,08,12,15,18,24NRMU-E



Ⓐ Floor hole for fixing
Ⓑ Center of gravity

(mm)[in]

Model name	W	L	X	Z
PFFY-P06NRMU-E	640 [25-7/32]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P08NRMU-E	640 [25-7/32]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P12NRMU-E	760 [29-15/16]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P15NRMU-E	760 [29-15/16]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P18NRMU-E	1000 [39-3/8]	100 [3-15/16]	17 [21/32]	335 [13-3/16]
PFFY-P24NRMU-E	1000 [39-3/8]	100 [3-15/16]	17 [21/32]	335 [13-3/16]

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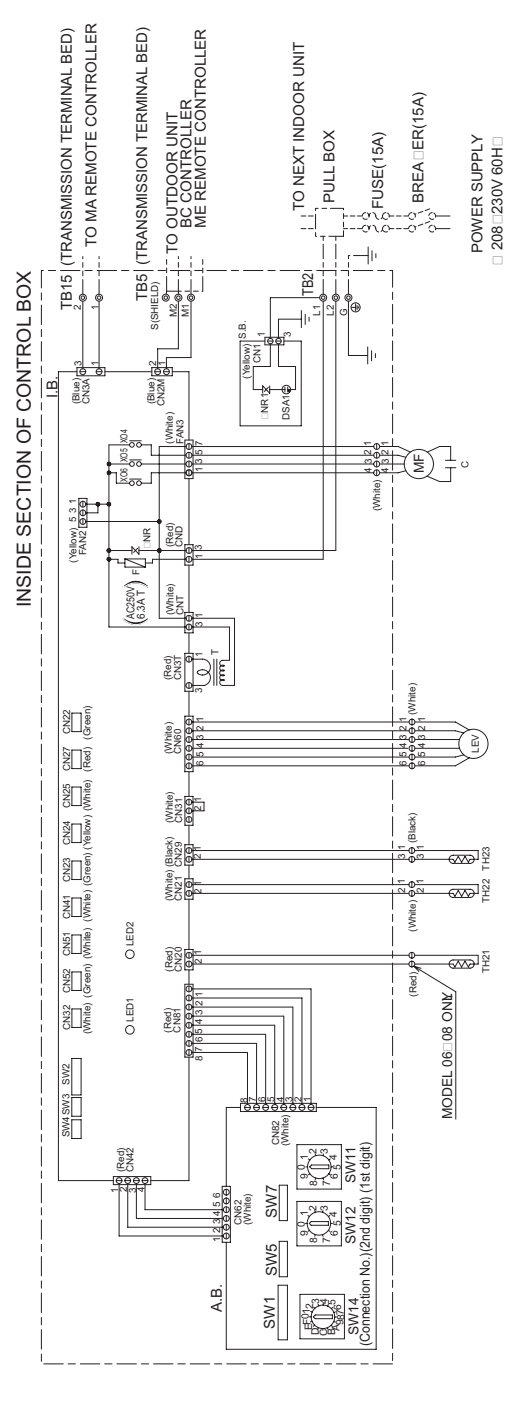
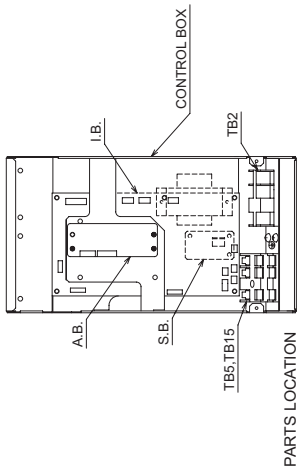
PFFY-P06,08,12,15,18,24NEMU-E

Drw. : IU-W660133





NOTE □1. The wirings to□TB2, TB5, TB15 shown in chained line are □ield work.
2. Mark ◎ indicates ter□inal □ed, ⊖ connector, ⊡ □oard insertion connector or □astening connector o□ control □oard.

SYMBOL EXPLANATION

SYMBOL	NAME
MF	Fan □otor
C	Ca□acitor (□or MF)
I.B.	Indoor controller □oard
A.B.	Address □oard
TB2	Power source ter□inal □ed
TB5	Trans□ission ter□inal □ed
TB15	Trans□ission ter□inal □ed
F	Fuse AC250V 6.3A T
T	Trans□or□er
LEV	Electronic linear e□□an□□ali□e
S.B.	Surge a□sor□er □oard
X04□06	Au□rela□

SYMBOL	NAME
LED1	Power su□□□ (I.B.)
LED2	Power su□□□ (Re□ote controller)
CN22	Connector
CN23	Connector
CN24	Connector
CN25	Connector
CN27	Connector
CN32	Connector (Central□ control)
CN41	Connector (HA ter□inal-A)
CN51	Connector (Central□ control)
CN52	Connector (Re□ote indication)
□NR, □NR1	Varistor

SYMBOL	NAME
TH21	Ther□istor (inlet te□□□detection)
TH22	Ther□istor (i□□ing te□□□detection□li□uid)
TH23	Ther□istor (i□□ing te□□□detection□gas)
SW11(A.B.)	Switch (1st digit address set)
SW12(A.B.)	Switch (2nd digit address set)
SW14(A.B.)	Switch (connection No.set)
SW1(A.B.)	Switch(□or □ode selection)
SW5(A.B.)	Switch(□or □oltage selection)
SW7(A.B.)	Switch(□or □odel selection)
SW2(I.B.)	Switch(□or ca□acit□ code)
SW3(I.B.)	Switch(□or □ode selection)
SW4(I.B.)	Switch(□or □odel selection)

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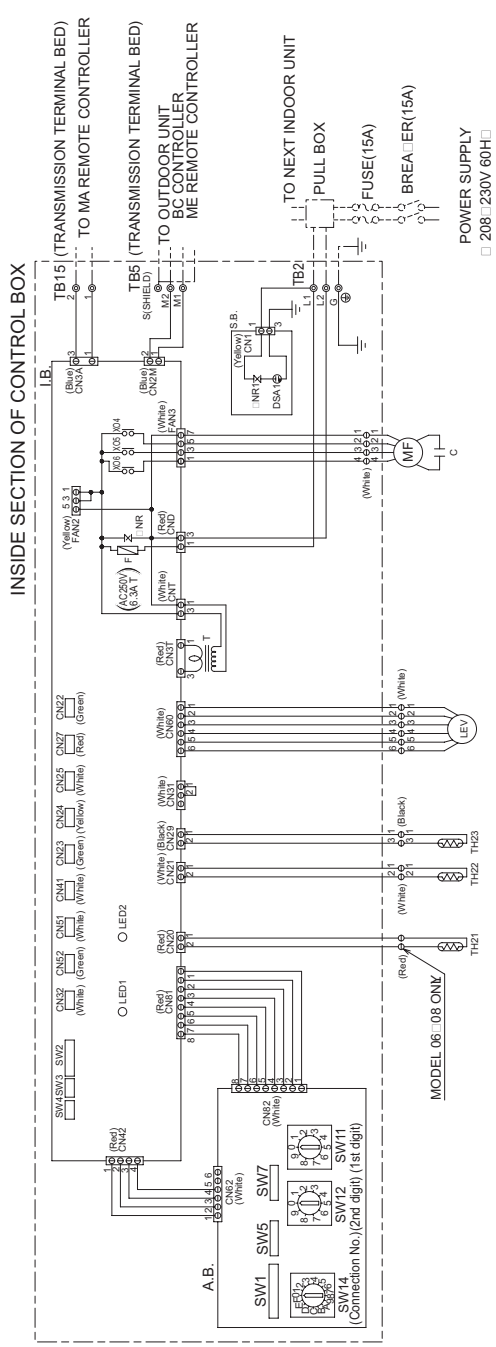
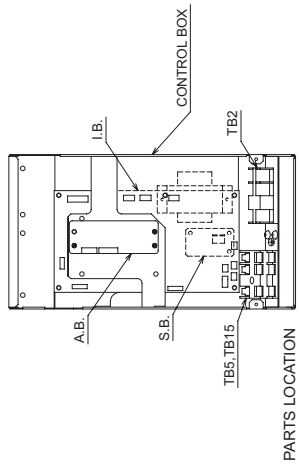
PFFY-P06,08,12,15,18,24NRMU-E

Drw. : IU-W660133





NOTE 1.The wirings to(TB2, TB5, TB15 shown in chained line are field work.
2.Mark ◎ indicates terminal bed connector, ⊜ board insertion connector or fastening connector of control board.

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	LED1	Power supply (I.B.)	TH21	Thermistor (inlet temp. detection)
C	Capacitor (for MF)	LED2	Power supply (Remote controller)	TH22	Thermistor (liquid pipe temp. detection)
I.B.	Indoor controller board	CN22	Connector	TH23	Thermistor (gas pipe temp. detection)
A.B.	Address board	CN23	Connector	SW11(A.B.)	Switch (1st digit address set)
TB2	Power source terminal bed	CN24	Connector	SW12(A.B.)	Switch (2nd digit address set)
TB5	Transmission terminal bed	CN25	Connector	SW14(A.B.)	Switch (connection No.set)
TB15	Transmission terminal bed	CN27	Connector	SW1(A.B.)	Switch(for mode selection)
F	Fuse AC250V 6.3A T	CN32	Connector (Centralized control)	SW5(A.B.)	Switch(for voltage selection)
T	Transformer	CN41	Connector (HA terminal-A)	SW7(A.B.)	Switch(for model selection)
LEV	Electronic linear expansion valve	CN51	Connector (Centralized control)	SW2(I.B.)	Switch(for capacity code)
S.B.	Surge absorber board	CN52	Connector (Remote indication)	SW3(I.B.)	Switch(for mode selection)
X04~06	Auxiliary relay	NR, NR1	Varistor	SW4(I.B.)	Switch(for model selection)

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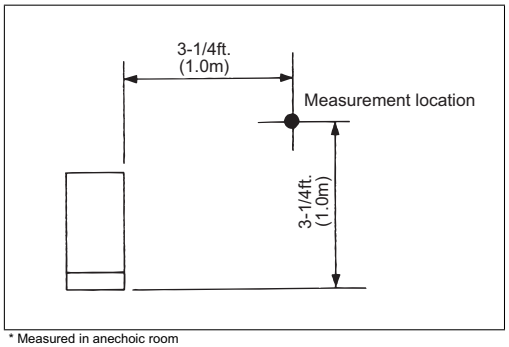
5. SOUND PRESSURE LEVELS

5-1. Sound Pressure Levels

PFFY-P-NEMU,NRMU-E



* Measured in anechoic room

Operating sound pressure levels

(Low - High) Unit : dB (A)

Model		Sound pressure level (A weighted)
PFFY-P06,P08NEMU-E	208V	36 - 41
	230V	36 - 41
PFFY-P12NEMU-E	208V	37 - 41
	230V	37 - 41
PFFY-P15,P18NEMU-E	208V	38 - 43
	230V	38 - 43
PFFY-P24NEMU-E	208V	40 - 46
	230V	40 - 46

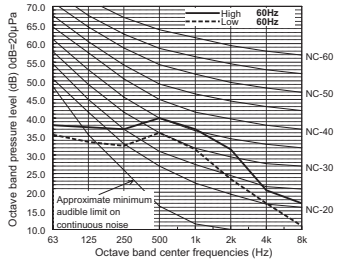
(Low - High) Unit : dB (A)

Model		Sound pressure level (A weighted)
PFFY-P06,P08NRMU-E	208V	36 - 41
	230V	36 - 41
PFFY-P12NRMU-E	208V	37 - 41
	230V	37 - 41
PFFY-P15,P18NRMU-E	208V	38 - 43
	230V	38 - 43
PFFY-P24NRMU-E	208V	40 - 46
	230V	40 - 46

5-2. NC Curves

PFFY-P06,08NEMU/NRMU-E

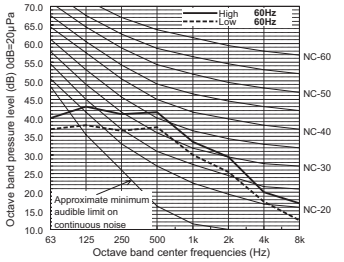
External Static Pressure: 0Pa
Power Source: 208,230V 60Hz



Ref.:NC_PFFY-P06,08NEMU_NRMU-E_WYN B0-4396

PFFY-12NEMU/NRMU-E

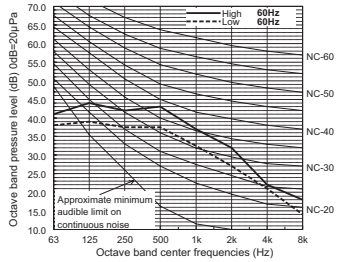
External Static Pressure: 0Pa
Power Source: 208,230V 60Hz



Ref.:NC_PFFY-P12NEMU_NRMU-E_WYN B0-4397

PFFY-P15NEMU/NRMU-E

External Static Pressure: 0Pa
Power Source: 208,230V 60Hz



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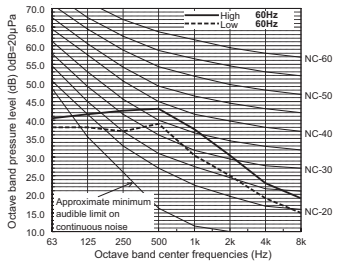
PFFY-P18NEMU/NRMU-E

External Static Pressure: 0Pa
Power Source: 208,230V 60Hz



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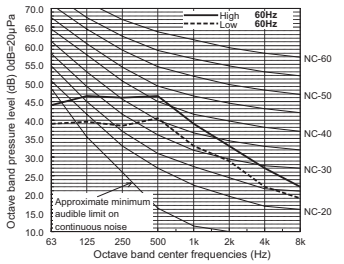
PFFY-P24NEMU/NRMU-E

External Static Pressure: 0Pa
Power Source: 208,230V 60Hz



Ref.:NC_PFFY-P24NEMU_NRMU-E_WYN B0-4400

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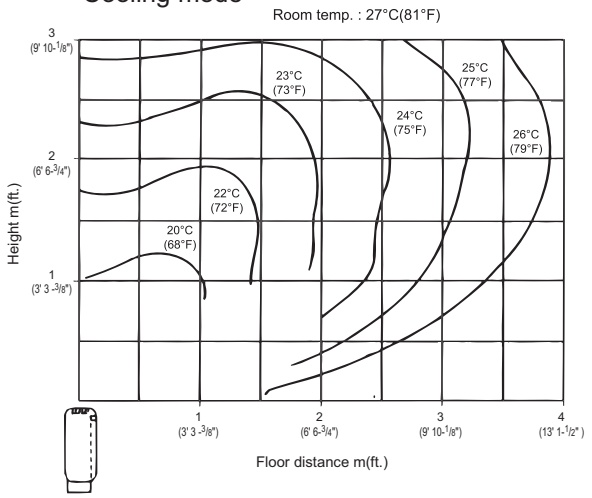
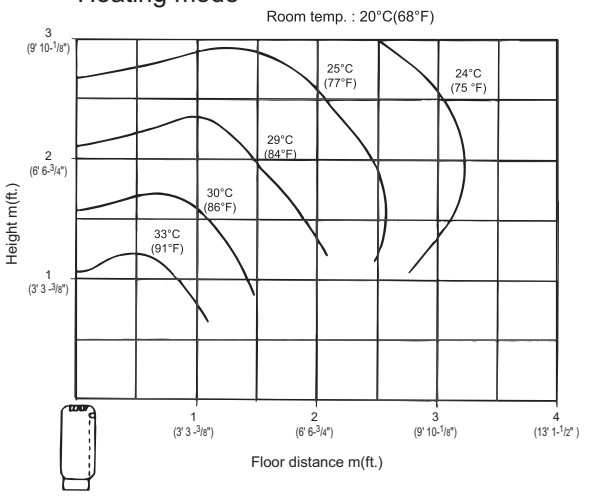
6. TEMPERATURE/AIRFLOW DISTRIBUTIONS

6-1. Temperature Distributions

<Cooling mode>

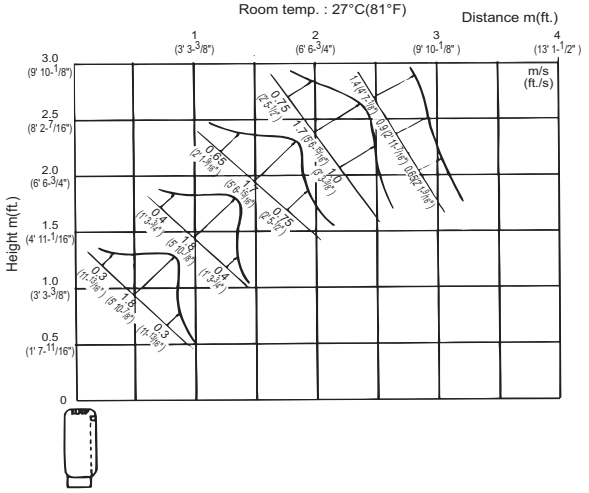


<Heating mode>

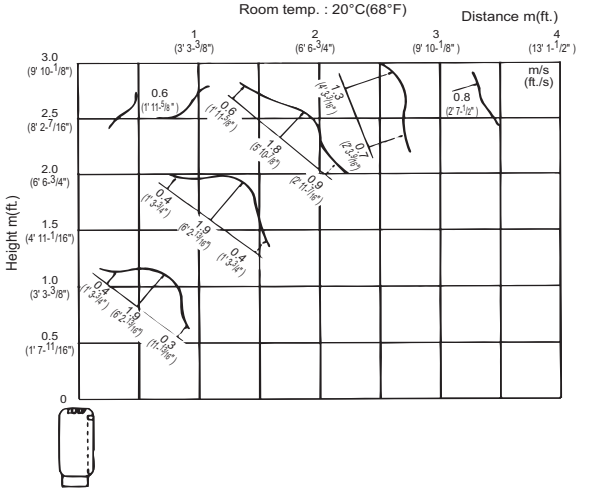


6-2. Airflow Distributions

<Cooling mode>



<Heating mode>



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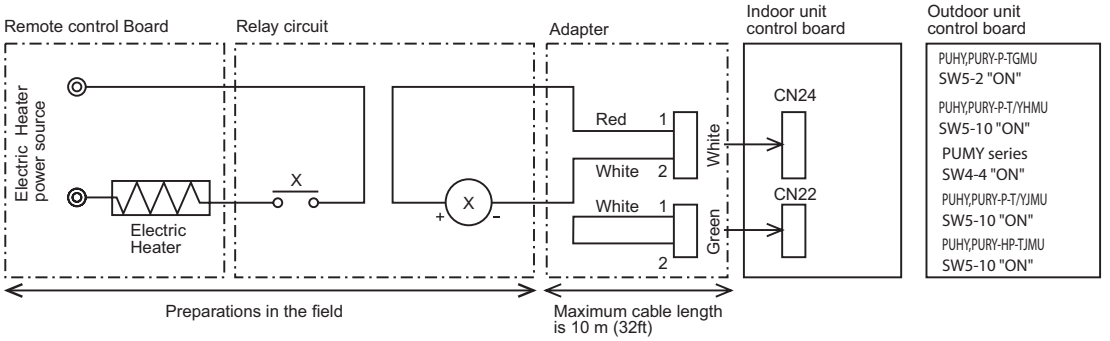
7-1. Optional Parts Line Up for the Indoor Unit

	External heater adapter
PFFY-P06,08,12,15,18,24NEMU-E	CN24RELAY-KIT-CM3
PFFY-P06,08,12,15,18,24NRMU-E	CN24RELAY-KIT-CM3

7-2. External Heater Adapter CN24RELAY-KIT-CM3

External heater adaptor CN24RELAY-KIT-CM3 is a set of special wiring parts for controlling the electric heater* with the air conditioner system.
*The electric heater should be designed and prepared at the site.

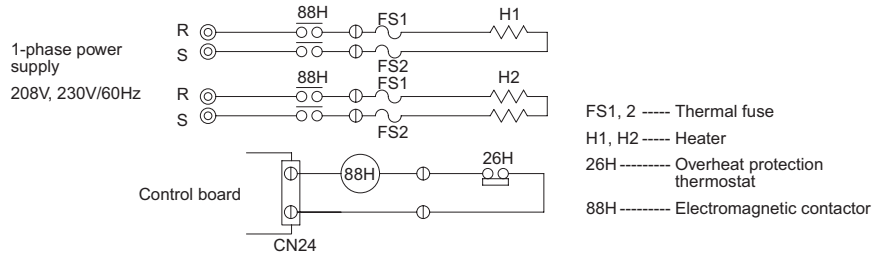
A basic connection method is shown as follows:(For details, refer to its Installation Manual.)

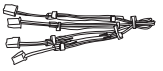


For relay X use the specifications given below Operation coil
Rated voltage : 12VDC
Power consumption : 0.9W or less
The length of the electrical wiring for the CN24RELAY-KIT-CM3 is 2 meters (6-1/2 ft)
To extend this length, use sheathed 2-core cable.
Control cable type : CVV, CVS, CPEV or equivalent.
Cable size : 0.5 mm^2 ~ 1.25 mm^2 (16 to 22 AWG)
Don't extend the cable more than 10 meters (32ft)

Recommended circuit

Wiring diagram



Item	① External output cable	② Fan speed setting cable with resistance	
Quantity	2	2	
Shape			

Refer to the Installation Manual for wiring and installation details.

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